

REMARKS

Claims 30-31 are canceled. Claim 37 is amended. Claims 43-44 are added. Support for the amended and added claims is found throughout the specification as filed, e.g., the original claims. None of these amendments adds any new matter.

This paper is filed in response to the Election/Restriction Requirement. Applicants were required to elect one of the following Groups:

Group I: Claims 23-31, drawn to a method for testing an enzyme of interest or screening a library of polypeptides for an enzyme of interest as recited in claim 23;

Group II: Claims 32-42, drawn to a method for testing a host cell or screening a library of host cells for expression of an enzyme of interest as recited in claim 32.

Applicants were further required to elect one of each of the following sections if Group I was elected:

A. "enzymes capable of producing hydrogen peroxide" (claim 26)

- A glucose oxidase (E.C. 1.1.3.4)
- A cellobiose oxidase (E.C. 1.1.3.25)
- An alcohol oxidase (E.C. 1.1.3.13)
- A galactose oxidase (E.C. 1.1.3.9)
- A L-amino acid oxidase (E.C. 1.4.3.2)

B. "the enzyme of interest" as recited in claims (27 + 29 + 31)

- A glucoamylase (E.C. 3.2.1.3)
- A beta-glucosidase (E.C. 3.2.1.21)
- A pectinesterase (E.C. 3.1.1.11)
- A alpha-galactosidase (E.C. 3.2.1.22)
- A cellulase (E.C. 3.2.1.4)
- A cellulose 1,4-beta-cellobiosidase (E.C. 3.2.1.91)
- A lactase (E.C. 3.2.1.108)
- A beta-galactofuranosidase
- A carboxypeptidase A (E.C. 3.4.17.1)
- A glucose oxidase (E.C. 1.1.3.4)
- A cellobiose oxidase (E.C. 1.1.3.25)
- An alcohol oxidase (E.C. 1.1.3.13)
- A galactose oxidase (E.C. 1.1.3.9)
- A L-amino acid oxidase (E.C. 1.4.3.2)

And if Group II was elected:

A. "enzymes capable of producing hydrogen peroxide" (claim 37)

- A glucose oxidase (E.C. 1.1.3.4)
- A cellobiose oxidase (E.C. 1.1.3.25)
- An alcohol oxidase (E.C. 1.1.3.13)
- A galactose oxidase (E.C. 1.1.3.9)
- A L-amino acid oxidase (E.C. 1.4.3.2)

B. "the enzyme of interest" as recited in claims (38 + 40 + 42)

- A glucoamylase (E.C. 3.2.1.3)
- A beta-glucosidase (E.C. 3.2.1.21)
- A pectinesterase (E.C. 3.1.1.11)
- A alpha-galactosidase (E.C. 3.2.1.22)
- A cellulase (E.C. 3.2.1.4)
- A cellulose 1,4-beta-cellobiosidase (E.C. 3.2.1.91)
- A lactase (E.C. 3.2.1.108)
- A beta-galactofuranosidase
- A carboxypeptidase A (E.C. 3.4.17.1)
- A glucose oxidase (E.C. 1.1.3.4)
- A cellobiose oxidase (E.C. 1.1.3.25)
- An alcohol oxidase (E.C. 1.1.3.13)
- A galactose oxidase (E.C. 1.1.3.9)
- A L-amino acid oxidase (E.C. 1.4.3.2)

In response to these requirements, Applicants hereby elect with traverse Group II, the Group II.A. species glucose oxidase (E.C. 1.1.3.4) and the Group II.B. species glucoamylase (E.C. 3.2.1.3). Claims 32-38, 41 and 43-44 read on the elected species. Applicants hereby reserve the right to file divisional applications directed to the nonelected subject matter.

The Examiner is hereby invited to contact the undersigned by telephone if there are any questions concerning this response or application. Should any fees be due, please charge deposit account no. 50-1701 of Novozymes North America Inc.

Respectfully submitted,

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